

# **Visvesvaraya Technological University**

## **Belagavi, Karnataka-590 018**



A Mini Project Report on

## **“Movie Ticket Reservation System”**

Mini Project Report submitted in partial fulfillment of the requirement for  
the award of the degree

### **Bachelor of Engineering in Information Science and Engineering**

Submitted by,

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**1MJ17IS001**

Under the esteemed guidance of

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**Associate Professor**



**M V J College of Engineering, Bengaluru-67**

**Department of Information Science and Engineering**

**2019-2020**

# **M V J College of Engineering, Bengaluru-67**



**Department of Information Science and Engineering**

**2019-2020**

## **CERTIFICATE**

Certified that the project work titled “**MOVIE TICKET RESERVATION SYSTEM**” is a bonafide work carried out by **Aarya Karthikeyan (1MJ17IS001)** in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2019-20. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering Degree.

**Signature of Guide**

**Signature of HOD**

**Dr. Mannar Mannan**

**Mrs. Sanchari Saha**

**Associate Professor**

**Associate Professor & HOD**

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**MVJCE**

**Sl.no**

**Examiners**

**Signature with date**

**1**

**2**

# **M V J College of Engineering, Bengaluru-67**



**Department of Information Science and Engineering**

**2019-20**

## **DECLARATION**

I, **AARYA KARTHIKEYAN (1MJ17IS001)** hereby declare that the dissertation entitled, **“MOVIE TICKET RESERVATION SYSTEM”** has been completed and written by me under the supervision of Dr.Mannar Mannan, Assistant Professor, Department of Information Science and Engineering, MVJCE, Bangalore, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Information Science and Engineering, of Visvesvaraya Technological University, Belagavi. The dissertation report is original and it has not been submitted for any other degree in any university.

Date:

**AARYA KARTHIKEYAN**

Place:

**(1MJ17IS001)**

# ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of this project report would be incomplete without the mention of people who made it possible, without whose constant guidance and encouragement, would have made efforts go in vain. I consider ourselves privileged to express gratitude and respect towards all those who guided us through the completion of this project.

I am grateful to **Mrs. Sanchari Saha**, Associate Professor and HOD, Information Science and Engineering, for giving the support and encouragement that was necessary for the completion of this project. In this context, I would also like to thank all the other staff members, both teaching and non-teaching, who have extended their timely help and eased our task.

I, also convey thanks to my project guide **Dr. Mannar Mannan**, Associate Professor, Department of Information Science and Engineering, for providing encouragement, constant support and guidance which was of great help to complete this project work successfully.

I would like to express my heart-felt gratitude to my parents and friends for their continued moral and material support throughout the course and in helping me finalize the project report.

AARYA KARTHIKEYAN

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## **ABSTRACT**

The main idea of developing this CPP project is to provide simple Software for movie ticket reservation system.

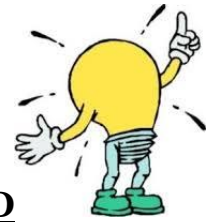
Its aim is to collect and store various vital data like movie names and their release dates, performs basic operations like insertion, deletion, search operation on the stored movie information, store all customer details, computing bill for the movie ticket, stores all the ticket transactions made before, also provides features to cancel a booked/ reserved ticket .

This project is built totally at administrative end and thus only the admin can access. This software is a complete and simple system for the cinema hall industry. This project eliminates the paper work, human manual delay and speeds up the process for booking tickets.

## **PROBLEM STATEMENT**



The act of digging appears simple to the most casual users but on closer inspection it is extraordinary complex and difficult. The conditions which include efficiency, performance was not maintained. User cannot perform multiple tasks with ease. Large amount of Information within a single software was not possible. The purpose of the movie ticket reservation System is to allow booking a ticket in a very few simple steps. This software provides a way to record this information and to access these in a simple way. Security/protection was not available in manual records



## **PROPOSED SOLUTION AND TOOLS/TECHNIQUE USED**

All the problem statement given above helps us to investigate and evaluated the problem Efficiency and performance must be maintained. We use the concept of file structures to develop this project. **File Structures** is the Organization of Data in Secondary Storage Device in such a way that minimize the access time and the storage space. A **File Structure** is a combination of representations for data in **files** and of operations for accessing the data. A **File Structure** allows applications to read, write and modify data.

We are developing this project using Dev C++ and using Data file handling to manage the data. **Dev-C++** is a full-featured integrated development environment (IDE), which is able to create Windows based C/C++ programs using the Mingw compiler system (included with the package), or the Cygwin compiler. **Dev-C++** allows you to write, compile and run a C or C++ program.

Files are used to store data in a storage device permanently. File handling provides a mechanism to store the output of a program in a file and to perform various operations on it. **File Handling** concept in C++ language is used for storing the data permanently in computer. Using file handling we can store our data in Secondary memory (Hard disk).

## **ADVANTAGES**



Here are some of the following reasons behind the popularity of file handling:

1. Reusability: It helps in preserving the data or information generated after running the program.
2. Large storage capacity: Using files, you need not worry about the problem of storing data in bulk.
3. Portability: You can easily transfer the contents of a file from one computer system to another without having to worry about the loss of data.
4. Efficiency and performance are maintained. Better access to data and also effective data integration. Fast service and no time delay.

## **CONCLUSION**

This system is operated at high level of efficiency for :

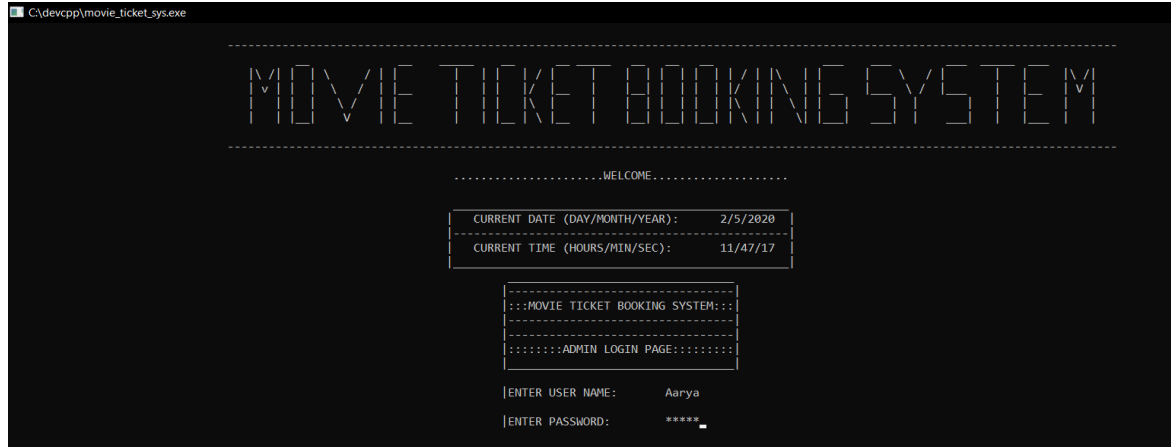
- Keeping and maintaining the records.
- Helps to reduce time, effort and money.
- Easy updates were available.

Finally, the movie ticket reservation system fully meets the subjective and objectives of the system which has been developed. The system has reached a steady state where all the bugs have been eliminated.

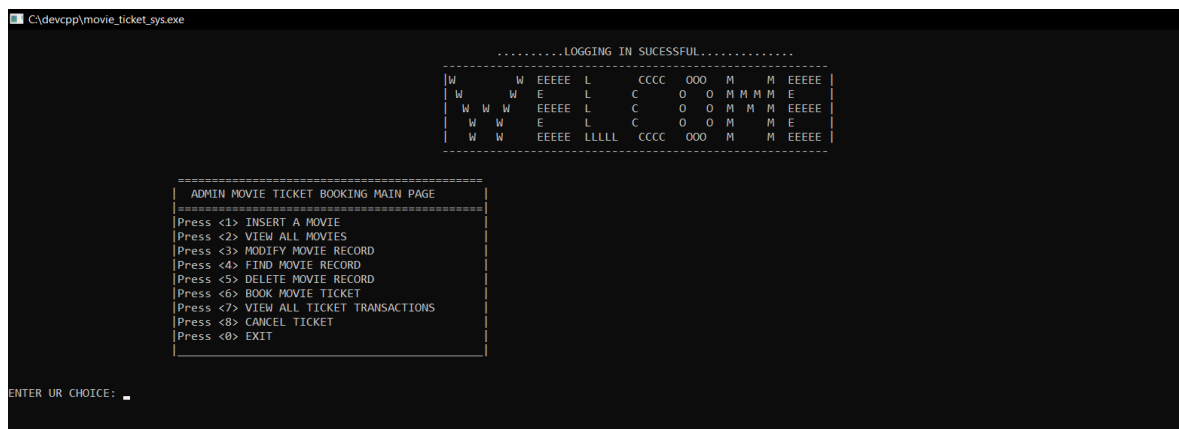


## OUTPUT SCREENS

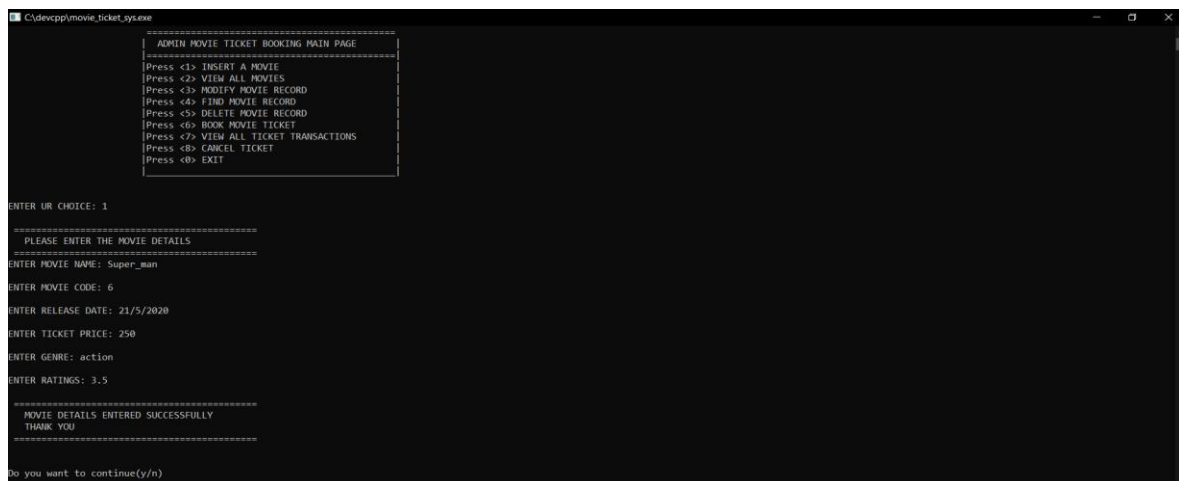
### 1. Introduction Screen (logging in with username and password)



### 2. Main Menu (after successfully logging in)



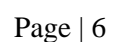
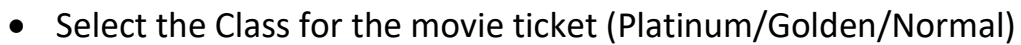
### 3. Insert Option (movie details insertion)







- Select the desired movie based on release date, select the timings.



## MOVIE TICKET RESERVATION SYSTEM

- Print the movie ticket

```
C:\devcpp\movie_ticket_sys.exe

=====
|:.....:TICKET BOOKED SUCCESSFULLY TICKET DETAILS ARE:.....:|
=====

|-----|
|TICKET BOOKED DATE:   19/5/2020|
|-----|
|MOVIE NAME:   Paper_town|
|-----|
|MOVIE TIMINGS:      AT 5:00 PM|
|-----|
|CUSTOMER NAME:      Aarya|
|-----|
|CUSTOMER PHONE NUMBER:      9449750699|
|-----|
|EACH TICKET PRICE:   250|
|-----|
|TICKET CLASS:  _NORMAL_|
|-----|
|NUMBER OF TICKETS BOUGHT:      2|
|-----|
|TOTAL AMOUNT TO BE PAYED:      500|
|-----|

Do you want to continue(y/n)
```

## 9. Display All Movie Ticket Transactions

```

C:\dev\cpp\movie_ticket_sys.exe
=====
|  ADMIN MOVIE TICKET BOOKING MAIN PAGE  |
|=====|
| Press <1> INSERT A MOVIE               |
| Press <2> VIEW ALL MOVIES               |
| Press <3> MODIFY MOVIE RECORD           |
| Press <4> FIND MOVIE RECORD             |
| Press <5> DELETE MOVIE RECORD           |
| Press <6> BOOK MOVIE TICKET             |
| Press <7> VIEW ALL TICKET TRANSACTIONS  |
| Press <8> CANCEL TICKET                 |
| Press <0> EXIT                           |
|=====|

ENTER UR CHOICE: 7

=====ALL TRANSACTIONS=====

=====
|BOOKED_DAY| |MOVIE_NAME| |CUST_NAME| |PHONE| |PRICE| |TICK_TYPE| |NO_TICKETS| |TOTAL_AMT|
|=====|
|18/5/2020| |Black_widow| |Aparna| 9449750699| |200| |GOLDEN_| |1| |400|
|17/5/2020| |Iron_man| |Akash| 7795975966| |500| |PLATINUM| |1| |1500|
|19/5/2020| |Paper_town| |Aarya| 9449750699| |250| |NORMAL_| |2| |500|
|=====|

Do you want to continue(y/n)

```

## 10. Cancellation Of Movie Ticket

```
C:\devcpp\movie_ticket_sys.exe
```

```

=====
ADMIN MOVIE TICKET BOOKING MAIN PAGE
=====
Press <1> INSERT A MOVIE
Press <2> VIEW ALL MOVIES
Press <3> MODIFY MOVIE RECORD
Press <4> FIND MOVIE RECORD
Press <5> DELETE MOVIE RECORD
Press <6> BOOK MOVIE TICKET
Press <7> VIEW ALL TICKET TRANSACTIONS
Press <8> CANCEL TICKET
Press <0> EXIT
=====
ENTER UR CHOICE: 8

=====
<<BOOKED TICKETS>>=====
=====
|BOOKED_DAY| |MOVIE_NAME| |CUST_NAME| |PHONE| |PRICE| |TICK_TYPE| |NO. TICKETS| |TOTAL_AMT|
=====
|15/5/2020| |Black widow| |Aparna| |9449758699| |200| |GOLDEN| |1| |400|
|17/5/2020| |Iron man| |Akash| |7795975966| |500| |PLATINUM| |1| |1500|
|19/5/2020| |Paper town| |Aarya| |9449758699| |250| |_NORMAL_| |2| |500|
=====
ENTER THE TICKET ROW THAT YOU WANT TO DELETE: 1

=====
TICKET CANCELLED SUCCESSFULLY
THANK YOU
=====

Do you want to continue(y/n)
```